FIG. 1

FIG. 2

CONCEPTUAL SCHEMATIC OF DRAIN BIAS & EQUALIZATION

REFERENCE SIDE

DBEN
340

360
RIN
TO SENSE
AMPLIFIER

350

ARRAY SIDE

DBEN
340

370
RIN
TO SENSE
AMPLIFIER

350

EQUAL

335

EQUALIZE
330

SHREF
310

TO REFERENCE
FLASH CELL
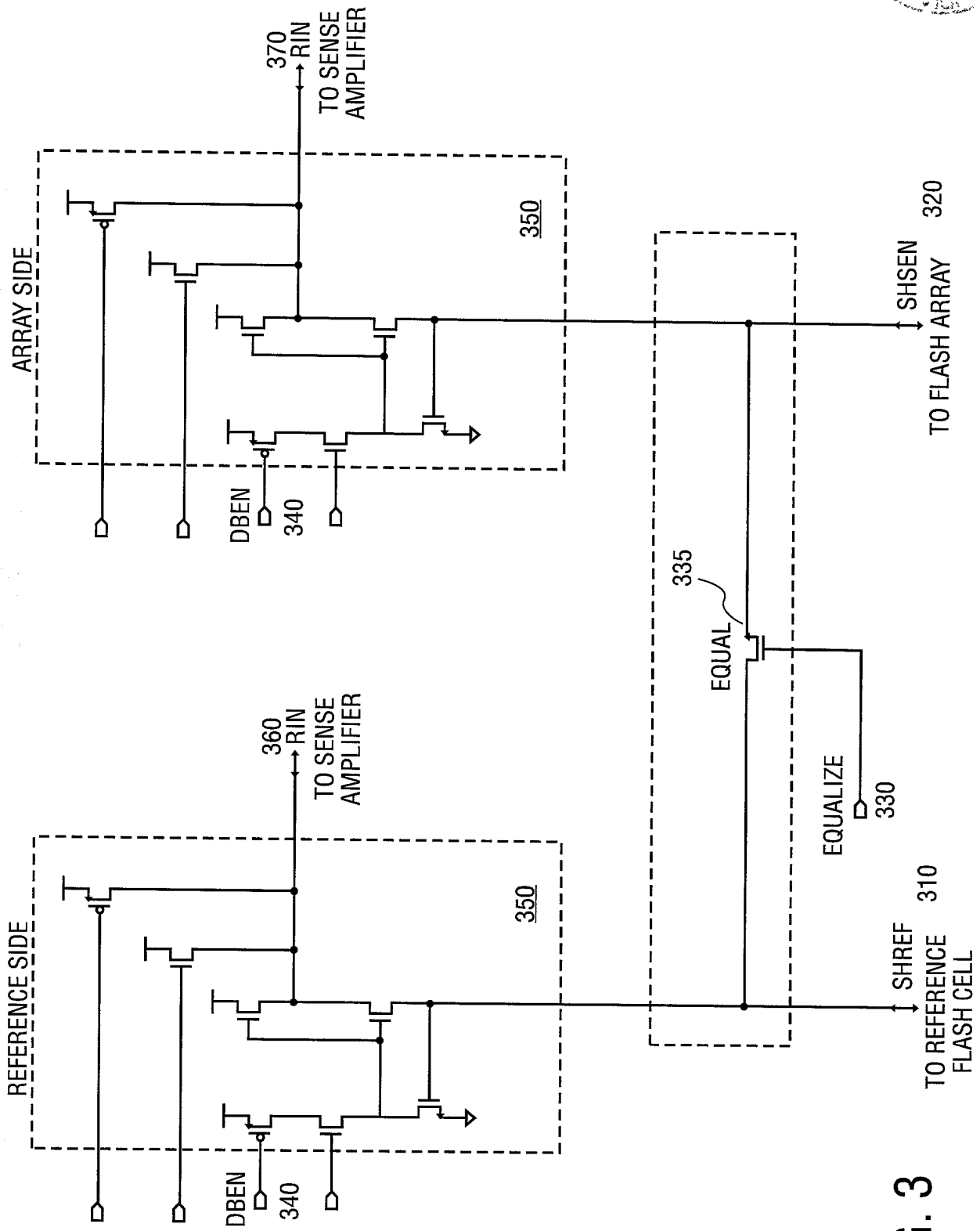
SHSEN
320

TO FLASH ARRAY

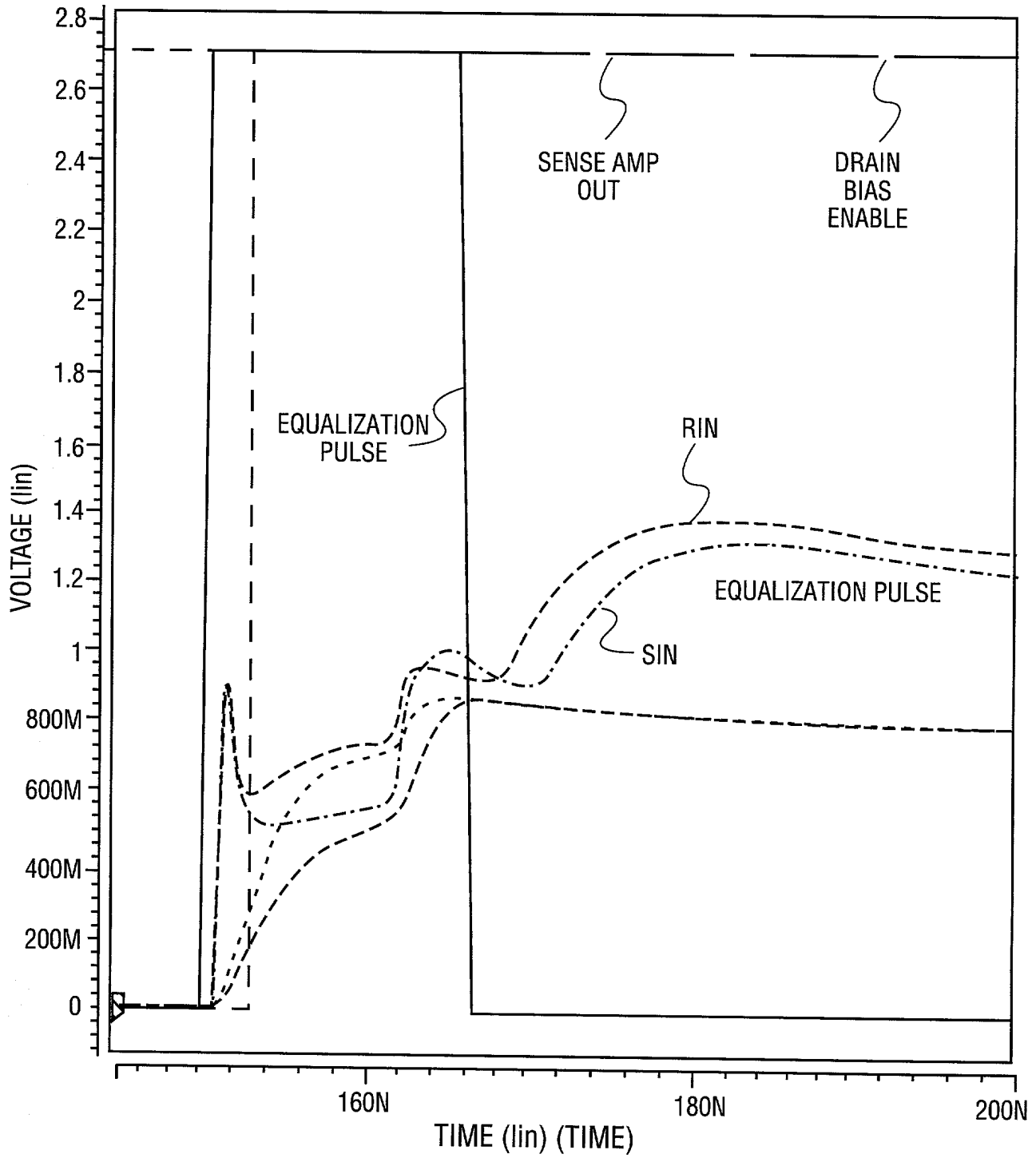FIG. 3

READ 'ONE' W/O EQ.

FIG. 4A

READ 'ONE' WITH EQ

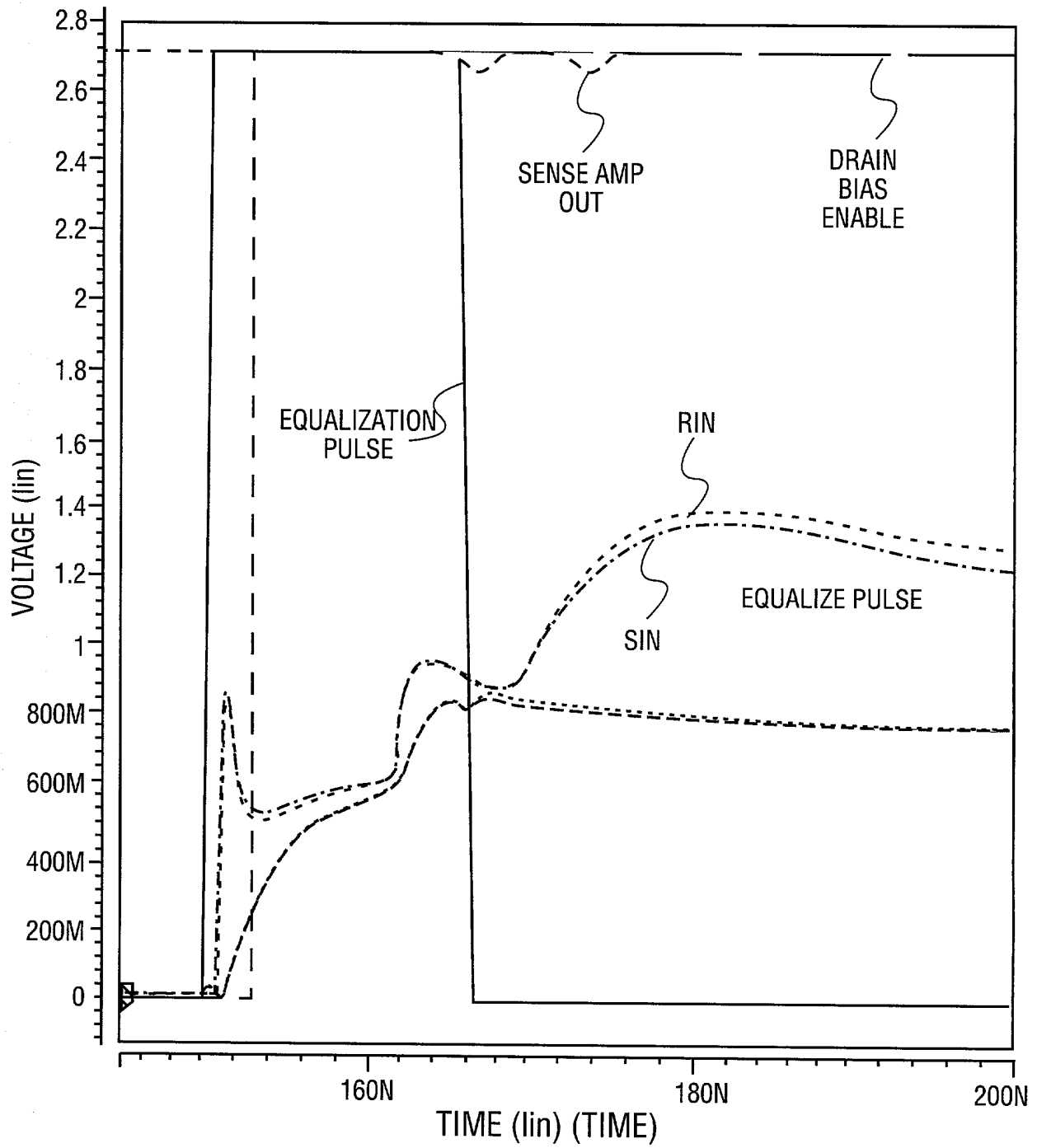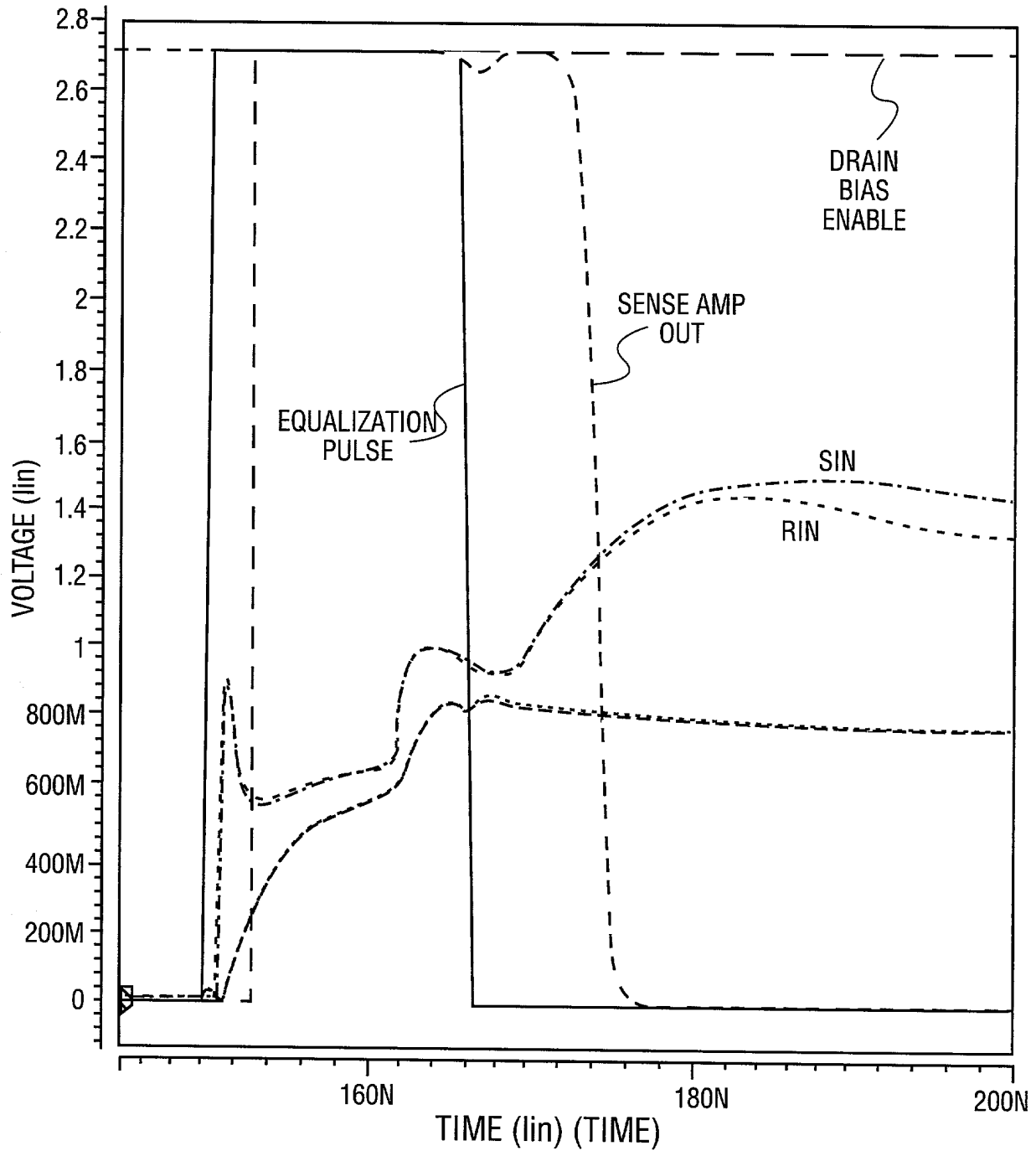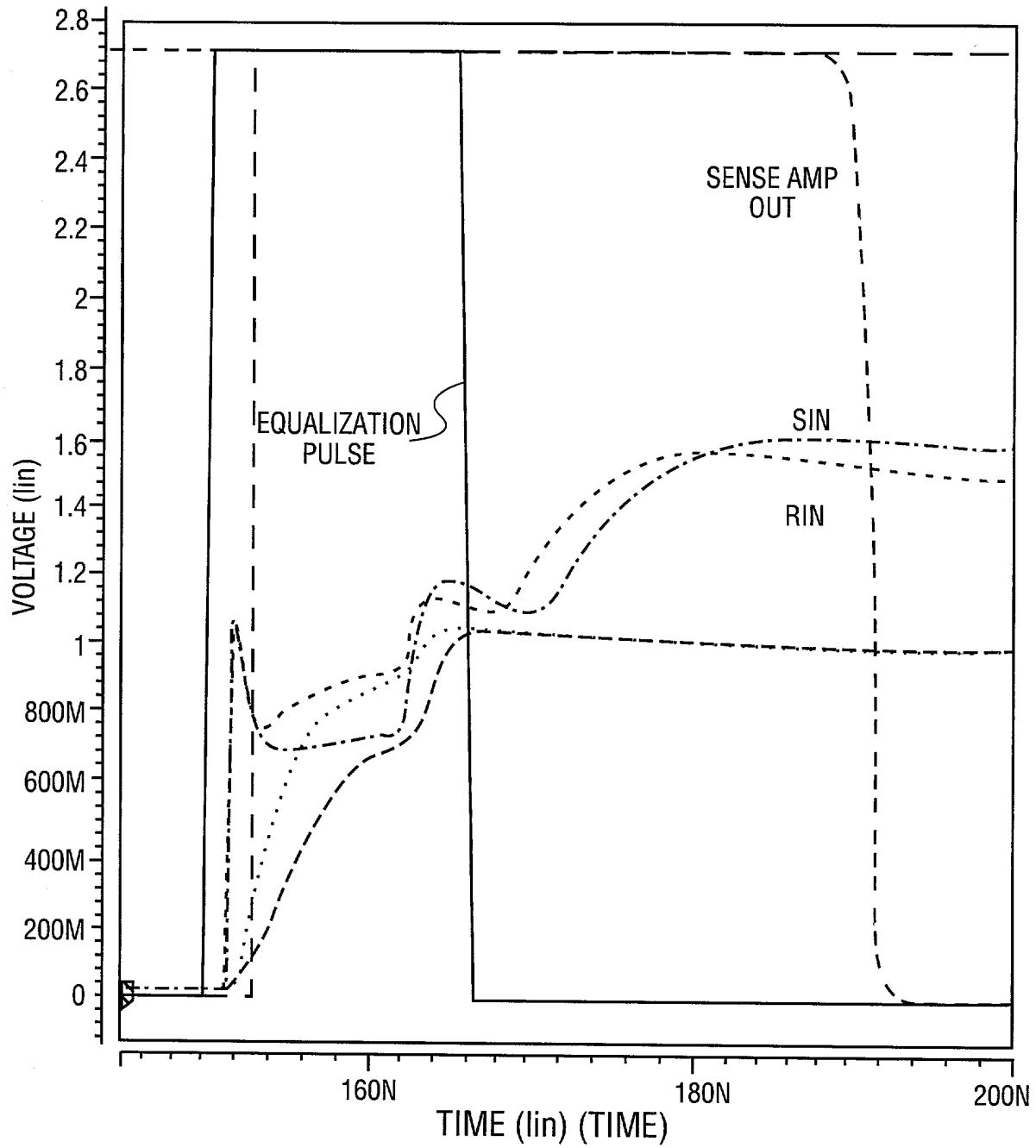FIG. 4B

READ 'ZERO' WITH EQ
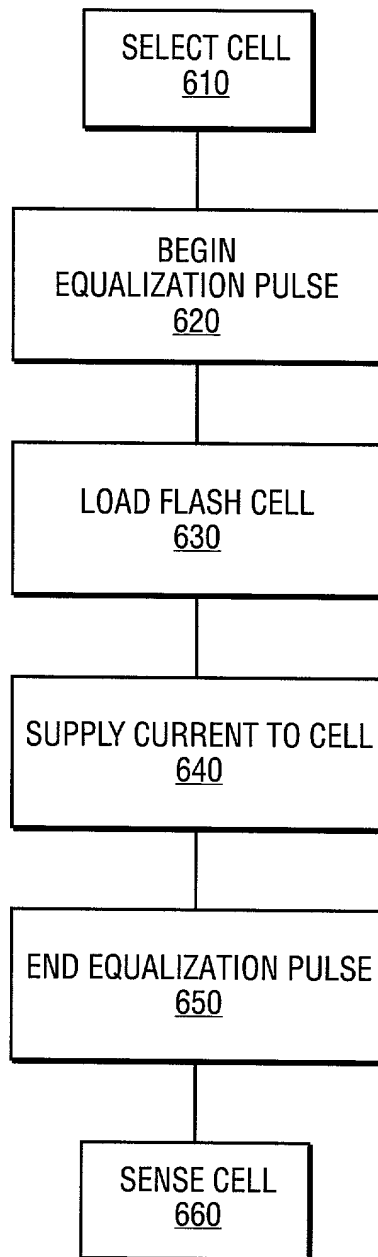

FIG. 4C

READ 'ZERO' W/O EQ

FIG. 4D

FIG. 5

FIG. 6